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1711

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/849,967A

DATE: 02/13/2002
TIME: 15:26:03

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\02132002\I849967A.raw

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1 <110> APPLICANT: Stuart A. Newman, et al.
3 <120> TITLE OF INVENTION: SPLICE CHOICE ANTAGONISTS AS THERAPEUTIC AGENTS
5 <130> FILE REFERENCE: 51230-00601
7 <140> CURRENT APPLICATION NUMBER: 09/849,967A
9 <141> CURRENT FILING DATE: 2001-05-08
11 <160> NUMBER OF SEQ ID NOS: 4
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1689
15 <212> TYPE: DNA
16 <213> ORGANISM: Chicken
18 <220> FEATURE:
19 <223> OTHER INFORMATION: SEQ ID NO:1 Full length cDNA for chicken hnRNP A1
21 <400> SEQUENCE: 1
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23 agcgggagtg aaggcgcgag ctgaacgctg gcacgggttc ctgatcttaa aagaaaggcc 120
24 gagtttagagt acccttccaa aatggctgct attaagggaag agagagaggt ggaagattac 180
25 aagagaaaaa ggaagacgat cagcacaggc catgagccta aggagccaga gcagttgaga 240
26 aagctgttca ttggagggtc gagcttcgag acgacggatg atagcttgag agagcacttt 300
27 gaaaaatggg gcacactcac ggactgtgtg gtgatgagag acccacaac aaacggttc 360
28 agaggctttg gctttgttac ttactcttgc gtggaagagg tggatgcggc catgagcgct 420
29 cgaccacata aggtggatgg acgtgtggtt gaaccaaaga gagcagtttc aaggaggat 480
30 tctgtaaagc ctggggcgca tctcacagta aagaaaatat ttgttggtgg cattaagaa 540
31 gatacagaag aatataattt aaggggttac ttgaaacat atggcaagat cgaaacgata 600
32 gaagtcatgg aagacagaca aagtggaaag aaaagaggct tcgcttttgt aacttttgat 660
33 gatcacgata cagttgataa aattgttgtt cagaaatacc atactataaa tggtcataac 720
34 tgcgaagata aaaaagcact ctcaaaacaa gagatgcaga ctgccagctc tcagagaggt 780
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42 agaagttcag gcatcccta tgggtggtgt tatggactcg gaagtggaa tgggggctat 1260
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47 gctattggtt aatgcaatgt agtgcgttta gatgtacatc ctgaggtctt tatctgttgt 1560
48 agctttgtct ttcttttttc tttttatatt cccattacat caggtatatt gccctgtaaa 1620
49 ttgtggtagt ggtaccagga ataaacaaat taagggaatt ttggcttttc aaaaaaaaaa 1680
50 aaaaaaaaaa 1689
53 <210> SEQ ID NO: 2

RAW SEQUENCE LISTING

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54 <211> LENGTH: 378
55 <212> TYPE: PRT
56 <213> ORGANISM: Chicken
58 <220> FEATURE:
59 <223> OTHER INFORMATION: SEQ ID NO:2 Amino acid sequence of chicken hnRNP A1
61 <400> SEQUENCE: 2
62 Met Ala Ala Ile Lys Glu Glu Arg Glu Val Glu Asp Tyr Lys Arg Lys
63 1 5 10 15
64 Arg Lys Thr Ile Ser Thr Gly His Glu Pro Lys Glu Pro Glu Gln Leu
65 20 25 30
66 Arg Lys Leu Phe Ile Gly Gly Leu Ser Phe Glu Thr Thr Asp Asp Ser
67 35 40 45
68 Leu Arg Glu His Phe Glu Lys Trp Gly Thr Leu Thr Asp Cys Val Val
69 50 55 60
70 Met Arg Asp Pro Gln Thr Lys Arg Ser Arg Gly Phe Gly Phe Val Thr
71 65 70 75 80
72 Tyr Ser Cys Val Glu Glu Val Asp Ala Ala Met Ser Ala Arg Pro His
73 85 90 95
74 Lys Val Asp Gly Arg Val Val Glu Pro Lys Arg Ala Val Ser Arg Glu
75 100 105 110
76 Asp Ser Val Lys Pro Gly Ala His Leu Thr Val Lys Lys Ile Phe Val
77 115 120 125
78 Gly Gly Ile Lys Glu Asp Thr Glu Glu Tyr Asn Leu Arg Gly Tyr Phe
79 130 135 140
80 Glu Thr Tyr Gly Lys Ile Glu Thr Ile Glu Val Met Glu Asp Arg Gln
81 145 150 155 160
82 Ser Gly Lys Lys Arg Gly Phe Ala Phe Val Thr Phe Asp Asp His Asp
83 165 170 175
84 Thr Val Asp Lys Ile Val Val Gln Lys Tyr His Thr Ile Asn Gly His
85 180 185 190
86 Asn Cys Glu Asp Lys Lys Ala Leu Ser Lys Gln Glu Met Gln Thr Ala
87 195 200 205
88 Ser Ser Gln Arg Gly Arg Gly Gly Gly Ser Gly Asn Phe Met Gly Arg
89 210 215 220
90 Gly Asn Phe Gly Gly Gly Gly Gly Asn Phe Gly Arg Gly Gly Asn Phe
91 225 230 235 240
92 Gly Gly Arg Gly Gly Tyr Gly Gly Gly Gly Gly Gly Gly Ser Arg
93 245 250 255
94 Gly Ser Phe Gly Gly Gly Asp Gly Tyr Asn Gly Phe Gly Asp Gly Gly
95 260 265 270
96 Asn Tyr Gly Gly Gly Pro Gly Tyr Gly Ser Arg Gly Gly Tyr Gly Gly
97 275 280 285
98 Gly Gly Gly Pro Gly Tyr Gly Asn Pro Gly Gly Gly Tyr Gly Gly Gly
99 290 295 300
100 Gly Gly Gly Tyr Gly Gly Tyr Asn Glu Gly Gly Asn Phe Gly Gly Gly
101 305 310 315 320
102 Asn Tyr Gly Gly Ser Gly Asn Tyr Asn Asp Phe Gly Asn Tyr Ser Gly
103 325 330 335
104 Gln Gln Gln Ser Asn Tyr Gly Pro Met Lys Gly Gly Gly Ser Phe Gly

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105          340          345          350
106 Gly Arg Ser Ser Gly Ser Pro Tyr Gly Gly Gly Tyr Gly Ser Gly Ser
107          355          360          365
108 Gly Ser Gly Gly Tyr Gly Gly Arg Arg Phe
109          370          375
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113 <211> LENGTH: 314
114 <212> TYPE: PRT
115 <213> ORGANISM: Human
117 <220> FEATURE:
118 <223> OTHER INFORMATION: SEQ ID NO:3 Amino acid sequence of human hnRNP A1
120 <400> SEQUENCE: 3
121 Pro Lys Glu Pro Glu Gln Leu Arg Lys Leu Phe Ile Gly Gly Leu Ser
122 1          5          10          15
123 Phe Glu Thr Thr Asp Glu Ser Leu Arg Ser His Phe Glu Gln Trp Gly
124          20          25          30
125 Thr Leu Thr Asp Cys Val Val Met Arg Asp Pro Asn Thr Lys Arg Ser
126          35          40          45
127 Arg Gly Phe Gly Phe Val Thr Tyr Ala Thr Val Glu Val Asp Ala
128          50          55          60
129 Ala Met Asn Ala Arg Pro His Lys Val Asp Gly Arg Val Val Glu Pro
130 65          70          75          80
131 Lys Arg Ala Val Ser Arg Glu Asp Ser Gln Arg Pro Gly Ala His Leu
132          85          90          95
133 Thr Val Lys Lys Ile Phe Val Gly Gly Ile Lys Glu Asp Thr Glu Glu
134          100          105          110
135 His His Leu Arg Asp Tyr Phe Glu Gln Tyr Gly Lys Ile Glu Val Ile
136          115          120          125
137 Glu Ile Met Thr Asp Arg Gly Ser Gly Lys Lys Arg Gly Phe Ala Phe
138          130          135          140
139 Val Thr Phe Asp Asp His Asp Ser Val Asp Lys Ile Val Ile Gln Lys
140 145          150          155          160
141 Tyr His Thr Val Asn Gly His Asn Cys Glu Val Arg Lys Ala Leu Ser
142          165          170          175
143 Lys Gln Glu Met Ala Ser Ala Ser Ser Gln Arg Gly Arg Ser Gly
144          180          185          190
145 Ser Gly Asn Phe Gly Gly Gly Arg Gly Gly Gly Phe Gly Asn Asp
146          195          200          205
147 Asn Phe Gly Arg Gly Gly Asn Phe Ser Gly Arg Gly Gly Phe Gly Gly
148          210          215          220
149 Ser Arg Gly Gly Gly Gly Tyr Gly Gly Ser Gly Asp Gly Tyr Asn Gly
150 225          230          235          240
151 Phe Gly Asn Asp Gly Ser Asn Phe Gly Gly Gly Gly Ser Tyr Asn Asp
152          245          250          255
153 Phe Gly Asn Tyr Asn Asn Gln Ser Ser Asn Phe Gly Pro Met Lys Gly
154          260          265          270
155 Gly Asn Phe Gly Gly Arg Ser Ser Gly Pro Tyr Gly Gly Gly Gly Gln
156          275          280          285
157 Tyr Phe Ala Lys Pro Arg Asn Gln Gly Gly Tyr Gly Gly Ser Ser Ser

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VERIFICATION SUMMARY

DATE: 02/13/2002

PATENT APPLICATION: US/09/849,967A

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Creation date: 12-20-2003
Indexing Officer: FNIGATU - FITSUM NIGATU
Team: OIPEBackFileIndexing
Dossier: 09849967

Legal Date: 07-28-2003

No.	Doccode	Number of pages
1	SRNT	2 /

Total number of pages: 2

Remarks:

Order of re-scan issued on